tagCare

take care of your tags!

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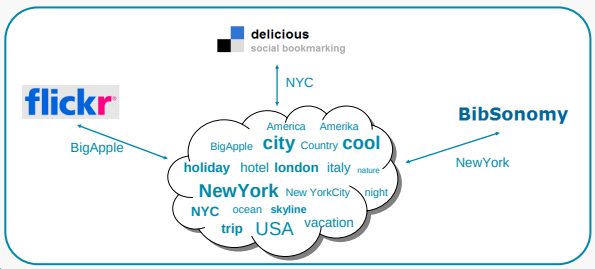
tagCare: A Personal Portable Tag Repository

Introduction & motivation

tagCare imports personal tags from different tagging platforms and allows to manage them centrally for better personal overview. This enables consistent use of a personal tagging vocabulary across applications.

"When we focused on personal re-use of tags across pairs of services, we found very low tags-in-common rates…" (Muller, 2007, 346).



A personal, cross-platform tag cloud

Tag Gardening

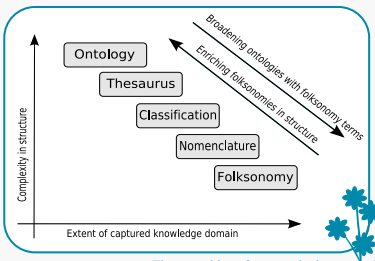
Definition & objectives

Tag gardening comprises all activities of editing, re-engineering, manipulating or organizing tags – in order to make folksonomies more productive and effective. This may be:

→Elimination of spam tags (weeding).
→Introduction of new tags (seeding).
→Semantic enrichment of structures.
→Combinations with formal vocabularies (fertilizing).

Tag gardening may be applied to improve folksonomies as well as to broaden ontologies or other knowledge organization systems.

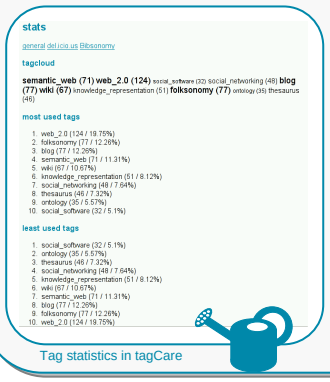
The folksonomy tag garden



The two sides of tag gardening

Gardening Activities in tagCare Part 1

Basic functionalities for personal tag gardening



Tag statistics in tagCare

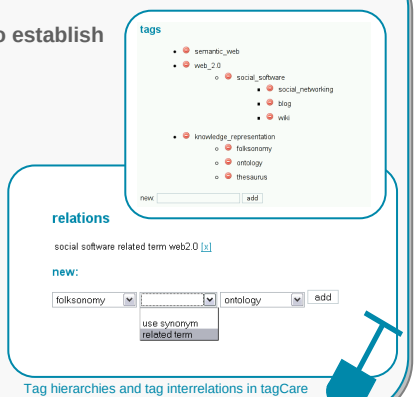
tagCare imports tags from *flickr*, *BibSonomy* and *delicious* and provides basic functionalities for folksonomy maintenance:

→Renaming and deleting of tags.
→Directly creating new terms in tagCare.
→Usage statistics for tags.
→Future aim: coupling to dictionary.

Gardening Activities in tagCare Part 2

Organization of tag relations to establish lightweight semantics

→Concept hierarchies.
→Labeling of synonyms (establishing relations of equivalence).
→Labeling of generally related terms.
→Future aim: specific semantic relations (such as "is_opposite_of") which can be freely defined by the user.



Tag hierarchies and tag interrelations in tagCare

Future Work & Discussion

This poster presents work in progress – tagCare is currently under development. A lot of work is still to be done and we are happy to discuss suggestions for improvements and realizations with an interested community!

Our future work will focus on: enabling searching and tagging out of tagCare across different platforms, tag suggestions and clustering, exchange of personal vocabularies among users, unique identification of meanings of tags, relation to current projects on tag ontologies, interoperability with other platforms, visualization of enhanced tag clouds and semantic relations.

References:

Angeletou, S., Sabou, M., Specia, L., Motta, E.: Bridging the Gap between Folksonomies and the Semantic Web. An Experience Report. In: Bridging the Gap between Semantic Web and Web 2.0, SemNet 2007, pp. 30--43 (2007).

Governor, J.: On the Emergence of Professional Tag Gardeners. Blog Post, 10.01.2006, retrieved 22. July, 2008, from: http://www.redmonk.com/jgovernor/2006/01/10/on-the-emergence-of-professional-tag-gardeners/ (2006).

Hotho, A., Jäschke, R., Schmitz, C., Stumme, G.: Bibsonomy. A Social Bookmark and Publication Sharing System. In: Proceedings of the Conceptual Structure Tool Interoperability Workshop at ICCS, Aalborg, Denmark 2006, pp. 87--102 (2006).

Lux, M., Granitzer, M., Kern, R.: Aspects of Broad Folksonomies. In: Proceedings of the 18th International Conference on Database and Expert Systems Applications, pp. 283--287 (2007).

Muller, M. J.: Comparing Tagging Vocabularies among four Enterprise Tag-Based Services. In: Proceedings of the 2007 International ACM Conference on Supporting Group Work, pp. 341--350 (2007).

Weller, K., Peters, I.: Seeding, Weeding, Fertilizing. Different Tag Gardening Activities for Folksonomy Maintenance and Enrichment. In: Triple-I Conference, Proceedings of I-Semantics '08, Graz, Austria, pp. 110--117 (2008).

BibSonomy: http://www.bibsonomy.org; flickr: http://www.flickr.com; delicious: http://delicious.com.

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